

A CHECKLIST OF THE CLUPEOID FISHES OF THAILAND
(PISCES : CLUPEIDAE, ENGRAULIDAE)

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This checklist is designed to meet the rather urgent needs of those working on species of Clupeidae (herrings) and Engraulidae (anchovies) in Thai waters, for which no comprehensive taxonomic list exists. It is extracted from an extensive study of the taxonomy of Indo-West Pacific clupeoid fishes currently being undertaken at the British Museum (Natural History), London, based on the many thousand specimens there and others loaned from some sixteen other institutions. In all, 153 species of 33 genera have been recognised (of which 25 species are new and await description). Of these 66 species of 25 genera are here recorded from Thailand.

The large number of clupeoid species in Thai waters reflects the fact that the Indo-Australian Archipelago has been the centre of speciation for numerous marine fish families and is one of the richest areas in the world as regards numbers of species and genera. However, the fact that Thai waters include both the Andaman Sea and the Gulf of Thailand does not significantly increase the complement of Thai clupeoid species since the species composition on either side of the country is very similar.

The majority of the Thai clupeoid species are marine, but a few are anadromous (e.g. *Tenualosa toli*) and some are strictly freshwater (e.g. *Clupeichthys sp. nov.*).

Five of the species listed have been derived from the literature, but for the remainder I have been able to examine at least one but usually many specimens. A number of these have not previously been recorded from Thailand.

Clupeoid fishes are of great importance to Thai fisheries, either directly or as essential constituents in food chains leading to economic species. Those of major interest to fisheries are marked here with an asterisk.

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Family CLUPEIDAE

Subfamily DUSSUMIERIINAE

- 1.* *Dussumieria elopsoides* Bleeker. (= *D. hasseltii*).
- 2.* *D. acuta* (Valenciennes).

Subfamily SPRATELLOOIDINAE

3. *Spratelloides delicatulus* (Bennett).

Subfamily CLUPEINAE

4. *Sardinella lemuru* (Bleeker). (= Indo-Pacific *S. aurita* of authors).
- 5.* *S. gibbosa* (Bleeker). (= *S. jussieui* not Valenciennes of authors).
- 6.* *S. lauta* (Cantor). (= *S. fimbriata* not Valenciennes of authors).
- 7.* *S. albella* (Valenciennes). (= *S. bulan* or *S. perforata*).
8. *S. brachysoma* Bleeker.
9. *S. atricauda* (Günther). (= *S. melanura* not Cuvier of authors).
- 10.* *Amblygaster sirm* (Walbaum).
11. *A. clupeoides* (Bleeker).
- 12.* *A. leiogaster* Valenciennes.
13. *Herklotischthys quadrimaculatus* (Rüppell) . (= included with and or misidentified as *H. punctatus* by authors).
14. *H. dispilonotus* (Bleeker).
15. *Escualosa* sp. nov. (will be described by T. Wongratana).
- 16.* *E. thoracata* (Valenciennes). (= *Clupeoides lile* or *Kowala kowal* of authors).

Subfamily ALOSINAE

- 17.* *Hilsa kelee* (Cuvier). (= *H. kanagurta*).
- 18.* *Tenualosa toli* (Valenciennes).
19. *T. reevesii* (Richardson).
20. *T. sp. now.* (will be described by T. Wongratana).

Subfamily DOROSOMATINAE

21. *Clupanodon thrissa* (Linnaeus).
- 22.* *Nematalosa nasus* Bloch.
23. *N. galathea* Nelson. (= ?*N. chanpole*, status will be discussed later by T. Wongratana).
- 24.* *Anodontostoma chacunda* (Hamilton-Buchanan).
25. *A. sp. nov.* (will be described by T. Wongratana).
26. *A. selangkat* (Bleeker).

Subfamily PRISTIGASTERINAE

- 27.* *Pellona ditchela* Valenciennes (= *P. hoevenii*).
28. *Ilisha sirichai* S. Rao.
- 29.* *I. megaloptera* (Swainson). (= *I. dussumieri* or *I. filigera* not Valenciennes or *I. xanthoptera* not Bleeker of authors).
30. *I. melastoma* (Schneider). (= *I. indica* or *I. brachysoma*).
- 31.* *Opisthopterus tardoore* (Cuvier). (= *O. indicus* or *O. macrognathus*).
32. *Raconda russeliana* Gray.

Subfamily PELLONULINAE

33. *Clupeoides borneensis* Bleeker. (= *C. exilis*).
34. *Corica laciniata* Fowler. (= *C. soborna* not Hamilton-Buchanan of authors).
35. *Clupeichthys sp. nov.* (will be described by T. Wongratana).

Family ENGRAULIDAE

Subfamily ENGRAULINAE

36. *Stolephorus buccaneeri* Strasburg.
- 37.* *S. heterolobus* (Rüppell). (= *S. pseudoheterolobus*).
- 38.* *S. devisi* (Whitley). (= *S. sp. A.* of I.A. Ronguillo).
- 39.* *S. indicus* (van Hasselt).
- 40.* *S. commersonii* Lacépède.
- 41.* *S. bataviensis* Hardenberg. (= *S. insularis*).
42. *S. chinensis* (Günther).
43. *S. sp. C. sp. nov.* (will be described by I.A. Ronguillo).
- 44.* *S. macrops* Hardenberg.
45. *S. sp. nov.* (will be described by T. Wongratana).

46. *S. baganensis* Hardenberg. (possibly confused with 44, 45 and 47 by authors).
47. *S. tri* (Bleeker).
48. *Thryssa kammalensis* (Bleeker).
49. *T. dussumieri* (Valenciennes).
- 50.* *T. mystax* (Schneider).
51. *T. setirostris* (Broussonet).
- 52.* *T. hamiltoni* (Gray). (= *I. grayi*).
53. *T. spinidens* (Jordan and Seale).
54. *Lycothrissa crocodilus* (Bleeker).
55. *Setipinna melanochir* (Bleeker).
- 56.* *S. taty* (Valenciennes).
57. *Heterothrissa breviceps* (Cantor).

Subfamily COILIINAE

58. *Coilia dussumieri* Valenciennes.
59. *C. macrognathus* Bleeker.
60. *C. lindmani* Bleeker.
61. *C. mystus* (Linnaeus).

A P P E N D I X

The Thai specimens of the following species have not been seen by me but reported by authors for Thailand.

1. *Ilisha pristigastroides* (Bleeker). (= *I. amblyuroptera*).
2. *I. elongata* (Bennett).
3. *I. kampeni* (Weber and de Beaufort).
4. *Thrissina baelama* (Forsskål).
5. *Coilia borneensis* Bleeker.